

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 1736 | (713/168).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2007/05/07 19:45 |
| L2    | 1750 | (455/411).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2007/05/07 19:45 |
| L3    | 1108 | (455/410).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2007/05/07 19:46 |
| L4    | 1343 | (713/165,171).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2007/05/07 19:47 |
| L5    | 5229 | L1 or L3 or L2 or L4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND              | ON      | 2007/05/07 19:47 |
| L6    | 699  | L5((second or secure or protected )same(communication or delivery or transmi\$5)near(way or path or link or channel or medium))((first or insecure or unprotected or optimal or open )same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND              | ON      | 2007/05/07 19:49 |
| L7    | 120  | L6(PCMCIA or IMSI or SIM)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND              | ON      | 2007/05/07 19:48 |
| L8    | 21   | L7 (nonce or handshak\$5)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND              | ON      | 2007/05/07 19:49 |
| L9    | 10   | L8(session adj key)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND              | ON      | 2007/05/07 19:49 |
| L10   | 3    | L9((communication or delivery or transmi\$5)near(way or path or link or channel or medium)).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND              | ON      | 2007/05/07 19:49 |

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                                | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|------------------------------------|------------------|---------|------------------|
| L1    | 11459 | ((second or seperat\$5 or different)near(communication or delivery or transmission)near(way or path or link or channel))                             | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:22 |
| L2    | 13180 | ((second or seperat\$5 or different)near(communication or delivery or transmission)near(way or path or link or channel or medium))                   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:14 |
| L3    | 795   | L2 ((authenticated or trusted or secure or protected )near(communication or channel or link or medium or way or path or transmi\$5))                 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:15 |
| L4    | 15361 | ((second or seperat\$5 or different)near(communication or delivery or transmi\$5)near(way or path or link or channel or medium))                     | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:39 |
| L5    | 854   | L4((authenticated or trusted or secure or protected )near(communication or channel or link or medium or way or path or transmi\$5))                  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:38 |
| L6    | 485   | L5 (packet or credential or nonce)   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:38 |
| L7    | 214   | L6((first or insecure or unprotected or optimal or open)near(communication or delivery or transmi\$5)near(way or path or link or channel or medium)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 17:49 |
| L8    | 8     | L7 nonce   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:20 |
| L9    | 16    | ((established)near(communicat\$5)) ((establish\$5 or generat\$5 or collect\$5)near(identif\$5 or identi\$5))(nonce)                                  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:29 |
| L10   | 1     | L9((second or seperat\$5 or different)near(communication or delivery or transmission)near(way or path or link or channel))                           | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | AND              | ON      | 2007/05/07 16:22 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| L11 | 16   | L9((second or seperat\$5 or different)(communication or delivery or transmission)(way or path or link or channel))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 16:22 |
| L12 | 165  | ((established)near(communicat\$5 or identif\$5 or identi\$5))(nonce)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 16:32 |
| L13 | 1    | ((established)near(communicat\$5 or identif\$5 or identi\$5)same(insecure or unprotected or un\$authentic\$5)same(link or layer or medium or channel))(nonce)(hand\$shak\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 16:34 |
| L14 | 11   | ((established)near(communicat\$5 or identif\$5 or identi\$5)same(insecure or unprotected or un\$authentic\$5)same(link or layer or medium or channel))                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 16:37 |
| L15 | 1650 | ((established)near(communicat\$5 or identif\$5 or identi\$5))(hand\$shak\$5 or nonce)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:09 |
| L16 | 404  | L15((authenticated or trusted or secure or protected )near(communication or channel or link or medium or way or path or transmi\$5))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:21 |
| L17 | 370  | L16(encod\$5 or encrypt\$5 or credential or nonce)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:10 |
| L18 | 39   | L17((second or seperat\$5 or different or insecure)near(communication or delivery or transmi\$5)near(way or path or link or channel or medium))                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:10 |
| L19 | 303  | ((establish\$5)near(communicat\$5 or identif\$5 or identi\$5))(hand\$shak\$5 or nonce)(GPRS or SIM)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:09 |
| L20 | 182  | L19(encod\$5 or encrypt\$5 or credential or session)same (key)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:10 |

## EAST Search History

|     |     |  |   |     |    |                  |
|-----|-----|--|---|-----|----|------------------|
| L21 | 24  | L19((second or seperat\$5 or different or insecure)near(communication or delivery or transmi\$5)near(way or path or link or channel or medium))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:16 |
| L22 | 23  | L21(transfer\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:11 |
| L23 | 1   | L22((transfer\$5)near(communication or delivery or transmi\$5)near(way or path or link or channel or medium))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:12 |
| L24 | 11  | L22((transfer\$5)same(communication or delivery or transmi\$5)near(way or path or link or channel or medium))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:13 |
| L25 | 278 | (SIM)((transfer\$5)same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)same(different or seperate or insecure or second))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:14 |
| L26 | 1   | L25 (hand\$shak\$5 )(nonce)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:14 |
| L27 | 18  | (hand\$shak\$5 )(nonce)(SIM)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:14 |
| L28 | 8   | L27((second or seperat\$5 or different or insecure or transfer\$5)same(communication or delivery or transmi\$5)near(way or path or link or channel or medium))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:17 |
| L29 | 358 | ((second or seperat\$5 or different or insecure or transfer\$5)same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)same(authenticat\$5 or validat\$5))(SIM or hand\$shak\$5)(nonce or packet) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:19 |

## EAST Search History

|     |     |  |   |     |    |                  |
|-----|-----|--|---|-----|----|------------------|
| L30 | 375 | ((second or seperat\$5 or different or insecure or transfer\$5)same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)same(authenticat\$5 or validat\$5))(SIM or hand\$shak\$5)(nonce or packet or seed)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:48 |
| L31 | 71  | L30(SIM or PDA or PCMCIA or smart\$card or micro\$chip)(nonce or seed)(hand\$shak\$5)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:59 |
| L32 | 70  | L31((authenticated or trusted or secure or protected )same(communication or channel or link or medium or way or path or transmi\$5))((transfer\$5 or established)same(communication or channel or link or medium or way or path or transmi\$5))      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:22 |
| L33 | 4   | L31((authenticated or trusted or secure or protected )same(communication or channel or link or medium or way or path or transmi\$5))((transfer\$5 or established)same(communication or channel or link or medium or way or path or transmi\$5)).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:24 |
| L34 | 7   | L31((authenticated or trusted or secure or protected )same(communication or channel or link or medium or way or path or transmi\$5))((transfer\$5 or established)same(communication or channel or link or medium or way or path or transmi\$5)).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:29 |
| L35 | 217 | L30((transfer\$5 or download\$5 or import\$5 or sending)same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)same(authenticat\$5 or validat\$5 or established or identi\$5))                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:28 |

## EAST Search History

|     |     |   |   |     |    |                  |
|-----|-----|---|---|-----|----|------------------|
| L36 | 34  | L35((authenticated or trusted or secure or protected )same(communication or channel or link or medium or way or path or transmi\$5))((transfer\$5 or established)same(communication or channel or link or medium or way or path or transmi\$5)).clm.              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:35 |
| L37 | 11  | L36(hand\$shak\$5 or nonce or packet or seed).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:30 |
| L38 | 246 | ((transfer\$5)same(communication or channel or link or medium or way or path or transmi\$5)same(establish\$5 or identi\$5)same(insecure or second or unprotected or unauthenticat\$5))(nonce or seed or hand\$shak\$5)(SIM or PCMCIA or microchip or smart\$card) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:41 |
| L39 | 41  | L38((authenticated or trusted or secure or protected or established)same(communication or channel or link or medium or way or path or transmi\$5)).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:36 |
| L40 | 112 | ((transfer\$5)same(communication or channel or link or medium or way or path or transmi\$5)same(establish\$5)same(identi\$5 or authenticat\$5)same(insecure or second or unprotected or unauthenticat\$5)).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:42 |
| L41 | 331 | ((transfer\$5 or using)same(communication or channel or link or medium or way or path or transmi\$5)same(establish\$5)same(identi\$5 or authenticat\$5)same(insecure or second or unprotected or unauthenticat\$5)).ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:04 |
| L42 | 54  | L41(nonce or seed or hand\$shak\$5 or SIM or PCMCIA or microchip or microprocesor)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:43 |

## EAST Search History

|     |       |  |   |     |    |                  |
|-----|-------|--|---|-----|----|------------------|
| L43 | 88    | L41((second or seperat\$5 or different or insecure or transfer\$5)same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)).ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:54 |
| L44 | 12    | L43((first or insecure or unprotected or optimal or open)near(communication or delivery or transmi\$5)near(way or path or link or channel or medium)).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:52 |
| L45 | 15    | L43((first or insecure or unprotected or optimal or open)near(communication or delivery or transmi\$5)near(way or path or link or channel or medium))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:52 |
| L46 | 1     | L45 (hellman or hand\$shak\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:53 |
| L47 | 75345 | ((second or secure or protected )same(communication or delivery or transmi\$5)near(way or path or link or channel or medium))((first or insecure or unprotected or optimal or open )same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:09 |
| L48 | 132   | L47(established or transfer\$5)(identi\$5 or authenticat\$5)(encrypted or encoded)(credential)(session adj key)(nonce or hand\$shak\$5 or hellman or seed)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:58 |
| L49 | 126   | L48(IP or MAC or address or NIC)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 17:59 |
| L50 | 60    | L49(SIM or PDA or PCMCIA or smart\$card or micro\$chip)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:05 |
| L51 | 115   | ((transfer\$5)same(communication or channel or link or medium or way or path or transmi\$5)same(establish\$5)same( identi\$5 or authenticat\$5 or credential or token)same(insecure or second or unprotected or unauthenticat\$5)).ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:08 |

## EAST Search History

|     |      |   |   |     |    |                  |
|-----|------|---|---|-----|----|------------------|
| L52 | 13   | L51(SIM or PDA or PCMCIA or smart\$card or micro\$chip)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:06 |
| L53 | 1297 | ((transfer\$5)same(communication or channel or link or medium or way or path or transmi\$5)same(establish\$5)same(identi\$5 or authenticat\$5 or credential or token)same(insecure or second or unprotected or unauthenticat\$5))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:09 |
| L54 | 443  | L53((second or secure or protected )same(communication or delivery or transmi\$5)near(way or path or link or channel or medium))((first or insecure or unprotected or optimal or open )same(communication or delivery or transmi\$5)near(way or path or link or channel or medium)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:10 |
| L55 | 72   | L54(nonce or SIM or hand\$shak\$5)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:11 |
| L56 | 26   | L55 established.clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:21 |
| L57 | 65   | robert near knauerhase.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:21 |
| L58 | 4    | krystof near zmudzinski.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:22 |
| L59 | 68   | L57 or L58  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:22 |
| L60 | 2    | L59 (established)(nonce or seed or hand\$shak\$5 or SIM)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:24 |
| L61 | 10   | L59 (established)(communication adj link)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:25 |



## EAST Search History

|     |       |   |   |     |    |                  |
|-----|-------|---|---|-----|----|------------------|
| L62 | 1     | L59<br>(established)same(communication<br>adj link)same(authenticat\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:26 |
| L63 | 2     | L59 ((established)or(communication<br>adj link))same(authenticat\$5)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:32 |
| L64 | 17321 | intel.as.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:27 |
| L65 | 1     | L59 (GPRS adj connection)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:30 |
| L66 | 1     | L59 (GPRS near connection)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:31 |
| L67 | 5     | L59 (GPRS )same(wireless)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:31 |
| L68 | 6     | L59 (GPRS )(wireless)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:32 |
| L69 | 1     | L68 ((established)or(communication<br>adj link))(authenticat\$5).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:32 |
| L70 | 1     | L68 ((established)or(communication<br>adj link))(authenticat\$5)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:32 |
| L71 | 1     | L68 ((established)or(<br>link))(authenticat\$5)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:33 |
| L72 | 3     | L68 (established)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | AND | ON | 2007/05/07 18:33 |